

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/903,101	FANG ET AL.	
	Examiner Sonya Wright	Art Unit 1626	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to \_\_\_\_\_.
  2.  The allowed claim(s) is/are 2 and 4, now 1 and 2 respectively.
  3.  The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
  4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    - a)  All
    - b)  Some\*
    - c)  None
 of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5.  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
    - (a)  The translation of the foreign language provisional application has been received.
  6.  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8.  CORRECTED DRAWINGS must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No. \_\_\_\_\_.
  - (b)  including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| <input type="checkbox"/> Notice of References Cited (PTO-892)   | <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                         | <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____.            |
| <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. <u>0803</u> . | <input checked="" type="checkbox"/> Examiner's Amendment/Comment                  |
| <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material      | <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
|   | <input type="checkbox"/> Other  |

**FILE**

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Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office						Atty. Docket No. 66766-Y-PCT- US/JPW/GJG/ACK	Serial No. 09/903,101	
		INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)						Applicants: Francis G. Fang and Shiping Xie		
								Filing Date July 11, 2001	Group 1626	
<b>U.S. PATENT DOCUMENTS</b>										
Examiner Initial		Document Number			Date	Name	Class	Subclass	Filing Date if Appropriate	
<b>FOREIGN PATENT DOCUMENTS</b>										
		Document Number			Date	Country	Class	Subclass	Translation	
									Yes	
									No	
ANW	HU	P9	4	0	3	6	3	8	11/28/95	Hungary (Exhibit 1);
ANW	JP	04	1	3	9	1	8	8	5/13/92	Japan (Exhibit 7);
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>										
ANW		Hertzberg, R.P. (1989) "Modification of the Hydroxy Lactone Ring in Camptothecin" <u>J. Med. Chem.</u> 32(3): 715-720 (Exhibit 2);								
ANW		Chemical Abstracts Registry Handbook - Number Section (1992) "See Compound with rn=143490-55-5" pp. 4277ru (Exhibit 3);								
ANW		S. Sawada, et al., (1992) "Preparation of Camptothecin Derivatives as Anti-tumor Agents" <u>Chem. Abs.</u> 117(17):882 (Exhibit 4);								
ANW		Fang, F.W. et al. (1994) "Catalytic Enantioselective Synthesis of 20(S)-Camptothecin: A Practical Application of the Sharpless Asymmetric Dihydroxylation Reaction" <u>J. Org. Chem.</u> 59(21):6142-6143 (Exhibit 5);								
ANW		Krohn, K. et al., (1975) "Alkylierung Von Camptothecin-Vorstufen" <u>Chemische Berichte</u> 108:3030-3042 (Exhibit 6).								
EXAMINER		DATE CONSIDERED 8-1-03								
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>										

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Gary Gershik on August 5, 2003.

The application has been amended as follows:

Cancel claim 5.

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance: The instant claims are patentable over the closest prior art of record, US Patent 6,143,891, Fang et al. in view of the terminal disclaimer filed by Applicants on 12-24-02.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sonya Wright, whose telephone number is (703) 308-4539. The examiner can normally be reached on Monday-Friday from 8:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Joseph K. McKane, can be reached at (703) 308-4537. The Unofficial fax phone number for this Group is (703) 308-7922. The Official fax phone numbers for this Group are (703) 308-4556 or 305-3592.

When filing a FAX in Technology Center 1600, please indicate in the Header (upper right) "Official" for papers that are to be entered into the file, and "Unofficial" for draft documents and other communications with the PTO that are not for entry into the file of the application. This will expedite processing of your papers.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [joseph.mckane@uspto.gov]. All Internet e-mail communications will be made of record in the application file. PTO employees will not communicate with applicant via Internet e-mail where sensitive data will be exchanged or where there exists a possibility that sensitive data could be identified unless there is of record an express waiver of the confidentiality requirements under 35 U.S.C. 122 by the applicant. See the Interim Internet Usage Policy published by the Patent and Trademark Office Official Gazette on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist, whose telephone number is (703) 308-1235.

Art Unit: 1626

*Joseph K. McKane*

Joseph K. McKane

Supervisory Patent Examiner

Group 1600

Sonya Wright

August 6, 2003